13. What are veins?	14. What are capillaries?	15. What happens to the diaphragm as you inhale/exhale?	16. Where are the 2 places you can find valves?
• Carry blood to heart • Contain valves	• Exchange of CO_2 + O_2 • smallest blood vessels	Inhale • Diaphragm moves down • exhale Diaphragm moves up.	Veins + heart
17. Explain what happens to CO_2 and O_2 in the alveoli.	**18. List the organs that the oxygen goes to as you inhale air starting with the bronchus.**	**19 Name the functions of the circulatory system.**	**20. What does cellular respiration mean?**
CO_2 from blood to alveoli. O_2 from alveoli to blood.	bronchial ↓ bronchioles ↓ alveoli ↓ blood	1. Supplies body w/ oxygen 2. removes CO_2 3. Supplies body w/ defense fighting chemicals 4 Supplies body w/ food by transporting it. 5 Carries chemical messengers.	Inhaling oxygen and mixing it w/ Nutrients to create energy + waste.
21. What happens to the body if one organ cannot function at 100%?	**22 What is homeostasis?**	**23. Draw a sketch of heart rate before, during, and after exercise of the average person who is fit. Draw another sketch (on the same graph) of a heart rate before, during, and after exercise of someone who is unfit.**	**24. Name one example of a lab we did to prove that we exhale CO_2**
• maintains homeostasis and other systems work harder	the bodies way of staying balanced	Fit unfit	• Burning candle turned the bromthymol blue green which indicates CO_2 is present.